

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/563,451
Source: IFWP
Date Processed by STIC: 08/8/2006

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/563, 451

CRF Edit Date: 08/8/2006
Edited by: DA

— Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

— Corrected the SEQ ID NO. Sequence numbers edited were:

— Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

~~✓~~ Deleted: invalid beginning/end-of-file text ; page numbers

— Inserted mandatory headings/numeric identifiers, specifically:

— Moved responses to same line as heading/numeric identifier, specifically:

~~✓~~ Other: Corrected on Numeric Identifier (400)



IFWP

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/563,451

DATE: 08/08/2006

TIME: 13:28:14

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\08082006\J563451.raw

4 <110> APPLICANT: Institut National de la Sante et de la Recherche Medicale -
 5 INSERM
 6 ICHAS Francois
 7 DE GIORGI ICHAS Francesca
 8 PIAZZA Pier-Vincenzo
 9 DESSOLIN Jean
 10 SCHEMBRI Laura
 11 TOMASELLO Flora
 12 LARTIGUE Lydia
 14 <120> TITLE OF INVENTION: Method for demonstration of a molecular event in a cell by
 means of
 15 fluorescent marker proteins
 17 <130> FILE REFERENCE: D20600
 C--> 19 <140> CURRENT APPLICATION NUMBER: US/10/563,451
 C--> 20 <141> CURRENT FILING DATE: 2006-01-04
 22 <150> PRIOR APPLICATION NUMBER: FR 03/08 186
 23 <151> PRIOR FILING DATE: 2003-07-04
 25 <160> NUMBER OF SEQ ID NOS: 14
 27 <170> SOFTWARE: PatentIn version 3.2
 29 <210> SEQ ID NO: 1
 30 <211> LENGTH: 195
 31 <212> TYPE: DNA
 32 <213> ORGANISM: Artificial sequence
 34 <220> FEATURE:
 35 <223> OTHER INFORMATION: Probe
 37 <220> FEATURE:
 38 <221> NAME/KEY: CDS
 39 <222> LOCATION: (1)..(174)
 41 <400> SEQUENCE: 1
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 43 Glu Gly Gly Gly Ser Asp Glu Val Asp Ser Gly Gly Gly Ser
 44 1 5 10 15
 46 gga ggt ggc gga tcc ttc gag ccg tcc gaa act ctg atc act acc gtt 96
 47 Gly Gly Gly Ser Phe Glu Pro Ser Glu Thr Leu Ile Thr Thr Val
 48 20 25 30
 50 gaa tcg aac tcg agt tgg tgg act aac tgg gtt atc cct gcg atc tct 144
 51 Glu Ser Asn Ser Ser Trp Trp Thr Asn Trp Val Ile Pro Ala Ile Ser
 52 35 40 45
 54 gct ctg gtt gta gcg ctg atg tac cgg cgt taatgactgc agtctagagg g 195
 55 Ala Leu Val Val Ala Leu Met Tyr Arg Arg
 56 50 55
 59 <210> SEQ ID NO: 2
 60 <211> LENGTH: 58
 61 <212> TYPE: PRT

RAW SEQUENCE LISTING

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Input Set : A:\pto.da.txt

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62 <213> ORGANISM: Artificial sequence
 64 <220> FEATURE:
 65 <223> OTHER INFORMATION: Probe
 67 <400> SEQUENCE: 2

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72	Gly	Gly	Gly	Gly	Ser	Phe	Glu	Pro	Ser	Glu	Thr	Leu	Ile	Thr	Thr	Val
73					20				25						30	
75	Glu	Ser	Asn	Ser	Ser	Trp	Trp	Thr	Asn	Trp	Val	Ile	Pro	Ala	Ile	Ser
76						35			40						45	
78	Ala	Leu	Val	Val	Ala	Leu	Met	Tyr	Arg	Arg						
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84	<213>	ORGANISM:	Artificial sequence													
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89	<220>	FEATURE:														
90	<221>	NAME/KEY:	CDS													
91	<222>	LOCATION:	(1)..(291)													
93	<400>	SEQUENCE:	3													
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95	Glu	Gly	Gly	Gly	Ser	Asp	Glu	Val	Asp	Ser	Gly	Gly	Gly	Ser		
96	1				5				10						15	
98	gga	ggg	gga	tcc	tcc	gag	ccg	tcc	gaa	act	ctg	atc	act	acc	gtt	
99	Gly	Gly	Gly	Ser	Phe	Glu	Pro	Ser	Glu	Thr	Leu	Ile	Thr	Thr	Val	
100					20				25						30	
102	gaa	tcg	aac	tcg	agt	atg	gac	cta	gga	aaa	tcc	tgc	ggg	ctt	tgt	gtg
103	Glu	Ser	Asn	Ser	Met	Asp	Leu	Gly	Lys	Phe	Cys	Gly	Leu	Cys	Val	
104					35				40						45	
106	tgt	ccc	tgt	aac	aag	ctt	aaa	tcc	agt	gat	gct	tac	aaa	aaa	gcc	tgg
107	Cys	Pro	Cys	Asn	Lys	Leu	Lys	Ser	Ser	Asp	Ala	Tyr	Lys	Lys	Ala	Trp
108					50				55						60	
110	ggc	aat	aat	cag	gat	gga	gtt	gcc	agc	cag	cct	gcc	cgt	gtt	gtg	
111	Gly	Asn	Asn	Gln	Asp	Gly	Val	Val	Ala	Ser	Gln	Pro	Ala	Arg	Val	Val
112	65					70				75					80	
114	gat	gaa	cgg	gag	cag	atg	gcc	atc	agt	ggt	ggc	tcc	atc	cgc	aga	cgc
115	Asp	Glu	Arg	Glu	Gln	Met	Ala	Ile	Ser	Gly	Gly	Phe	Ile	Arg	Arg	Arg
116						85			90						95	
118	gtc	taa														294
119	Val															
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123	<211>	LENGTH:	97													
124	<212>	TYPE:	PRT													
125	<213>	ORGANISM:	Artificial sequence													
127	<220>	FEATURE:														
128	<223>	OTHER INFORMATION:	Caspase 3 probe DEVD-SNAP-25(80-136)													
130	<400>	SEQUENCE:	4													

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Input Set : A:\pto.da.txt
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132 Glu Gly Gly Gly Ser Asp Glu Val Asp Ser Gly Gly Gly Ser
133 1 5 10 15
135 Gly Gly Gly Ser Phe Glu Pro Ser Glu Thr Leu Ile Thr Thr Val
136 20 25 30
138 Glu Ser Asn Ser Ser Met Asp Leu Gly Lys Phe Cys Gly Leu Cys Val
139 35 40 45
141 Cys Pro Cys Asn Lys Leu Lys Ser Ser Asp Ala Tyr Lys Lys Ala Trp
142 50 55 60
144 Gly Asn Asn Gln Asp Gly Val Val Ala Ser Gln Pro Ala Arg Val Val
145 65 70 75 80
147 Asp Glu Arg Glu Gln Met Ala Ile Ser Gly Gly Phe Ile Arg Arg Arg
148 85 90 95
150 Val
154 <210> SEQ ID NO: 5
155 <211> LENGTH: 294
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: Caspase 8 probe IETD SNAP-25(80-136)
162 <220> FEATURE:
163 <221> NAME/KEY: CDS
164 <222> LOCATION: (1)..(291)
166 <400> SEQUENCE: 5
167 gaa ggt gga gga ggt tca att gaa acc gat tca gga gga ggt gga tct 48
168 Glu Gly Gly Gly Ser Ile Glu Thr Asp Ser Gly Gly Gly Ser
169 1 5 10 15
171 gga ggt ggc gga tcc ttc gag ccg tcc gaa act ctg atc act acc gtt 96
172 Gly Gly Gly Ser Phe Glu Pro Ser Glu Thr Leu Ile Thr Thr Val
173 20 25 30
175 gaa tcg aac tcg agt atg gac cta gga aaa ttc tgc ggg ctt tgt gtg 144
176 Glu Ser Asn Ser Ser Met Asp Leu Gly Lys Phe Cys Gly Leu Cys Val
177 35 40 45
179 tgt ccc tgt aac aag ctt aaa tcc agt gat gct tac aaa aaa gcc tgg 192
180 Cys Pro Cys Asn Lys Leu Lys Ser Ser Asp Ala Tyr Lys Lys Ala Trp
181 50 55 60
183 ggc aat aat cag gat gga gta gtg gcc agc cag cct gcc cgt gtg gtg 240
184 Gly Asn Asn Gln Asp Gly Val Val Ala Ser Gln Pro Ala Arg Val Val
185 65 70 75 80
187 gat gaa cgg gag cag atg gcc atc agt ggt ggc ttc atc cgc aga cgc 288
188 Asp Glu Arg Glu Gln Met Ala Ile Ser Gly Gly Phe Ile Arg Arg Arg
189 85 90 95
191 gtc taa 294
192 Val
196 <210> SEQ ID NO: 6
197 <211> LENGTH: 97
198 <212> TYPE: PRT
199 <213> ORGANISM: Artificial sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Caspase 8 probe IETD SNAP-25(80-136)

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/563,451

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Input Set : A:\pto.da.txt
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206 Glu Gly Gly Gly Ser Ile Glu Thr Asp Ser Gly Gly Gly Ser
207 1 5 10 15
209 Gly Gly Gly Gly Ser Phe Glu Pro Ser Glu Thr Leu Ile Thr Thr Val
210 20 25 30
212 Glu Ser Asn Ser Ser Met Asp Leu Gly Lys Phe Cys Gly Leu Cys Val
213 35 40 45
215 Cys Pro Cys Asn Lys Leu Lys Ser Ser Asp Ala Tyr Lys Lys Ala Trp
216 50 55 60
218 Gly Asn Asn Gln Asp Gly Val Val Ala Ser Gln Pro Ala Arg Val Val
219 65 70 75 80
221 Asp Glu Arg Glu Gln Met Ala Ile Ser Gly Gly Phe Ile Arg Arg Arg
222 85 90 95

224 Val

227 <210> SEQ ID NO: 7

228 <211> LENGTH: 960

229 <212> TYPE: DNA

230 <213> ORGANISM: Artificial sequence

232 <220> FEATURE:

233 <223> OTHER INFORMATION: Caspase 3 probe DEVD-ANF-2

235 <220> FEATURE:

236 <221> NAME/KEY: CDS

237 <222> LOCATION: (1)..(957)

239 <400> SEQUENCE: 7

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241 Glu Gly Gly Gly Ser Asp Glu Val Asp Ser Gly Gly Gly Ser	
242 1 5 10 15	
244 gga ggt ggc gga tcc atg aca gat gcc gct gtg tcc ttc gcc aag gac	96
245 Gly Gly Gly Ser Met Thr Asp Ala Ala Val Ser Phe Ala Lys Asp	
246 20 25 30	
248 ttc ttg gcc ggt gga gtg gcc gca gcc atc tcc aag aca gcg gta gca	144
249 Phe Leu Ala Gly Val Ala Ala Ala Ile Ser Lys Thr Ala Val Ala	
250 35 40 45	
252 ccc atc gag agg gtc aag ctg ctg ctg cag gtg cag cat gcc agc aag	192
253 Pro Ile Glu Arg Val Lys Leu Leu Gln Val Gln His Ala Ser Lys	
254 50 55 60	
256 caa atc acg gca gat aag caa tac aag ggc atc ata gac tgc gtg gtt	240
257 Gln Ile Thr Ala Asp Lys Gln Tyr Lys Gly Ile Ile Asp Cys Val Val	
258 65 70 75 80	
260 cgt atc ccc aag gaa cag gga gtc ctg tcc ttc tgg cgt ggg aac ctg	288
261 Arg Ile Pro Lys Glu Gln Gly Val Leu Ser Phe Trp Arg Gly Asn Leu	
262 85 90 95	
264 gcc aat gtc atc aga tac ttc ccc acc cag gct ctc aac ttt gcc ttc	336
265 Ala Asn Val Ile Arg Tyr Phe Pro Thr Gln Ala Leu Asn Phe Ala Phe	
266 100 105 110	
268 aaa gat aaa tac aag cag atc ttt ctg ggt ggt gtg gac aag agg acc	384
269 Lys Asp Lys Tyr Lys Gln Ile Phe Leu Gly Gly Val Asp Lys Arg Thr	
270 115 120 125	
272 cag ttc tgg cgc tac ttt gca ggg aac ctg gca tca ggt ggt gcc gct	432

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273	Gln	Phe	Trp	Arg	Tyr	Phe	Ala	Gly	Asn	Leu	Ala	Ser	Gly	Gly	Ala	Ala
274	130					135					140					
276	ggg	gct	aca	tcc	ttg	tgc	ttt	gtg	tac	cct	ctt	gat	ttt	gcc	cgt	acc
277	Gly	Ala	Thr	Ser	Leu	Cys	Phe	Val	Tyr	Pro	Leu	Asp	Phe	Ala	Arg	Thr
278	145	.			150					155				160		
280	cgt	cta	gca	gct	gat	gtg	ggc	aaa	gct	gga	gct	gaa	agg	gaa	ttc	aaa
281	Arg	Leu	Ala	Ala	Asp	Val	Gly	Lys	Ala	Gly	Ala	Glu	Arg	Glu	Phe	Lys
282		165	..				170					175				..
284	ggc	ctt	ggt	gac	tgc	ctg	gtt	aag	atc	tac	aaa	tct	gat	ggg	att	aag
285	Gly	Leu	Gly	Asp	Cys	Leu	Val	Lys	Ile	Tyr	Lys	Ser	Asp	Gly	Ile	Lys
286		180				185					190					
288	ggc	ctg	tac	caa	ggc	ttt	aat	gtg	tca	gta	cag	ggc	att	atc	atc	tac
289	Gly	Leu	Tyr	Gln	Gly	Phe	Asn	Val	Ser	Val	Gln	Gly	Ile	Ile	Ile	Tyr
290		195				200					205					
292	cga	gct	gcc	tac	ttt	ggt	atc	tat	gac	act	gca	aag	gga	atg	ctc	cca
293	Arg	Ala	Ala	Tyr	Phe	Gly	Ile	Tyr	Asp	Thr	Ala	Lys	Gly	Met	Leu	Pro
294		210				215					220					
296	gat	ccc	aag	aat	act	cac	atc	ttc	atc	agc	tgg	atg	att	gca	cag	tct
297	Asp	Prc	Iys	Asn	Thr	His	Ile	Phe	Ile	Ser	Trp	Met	Ile	Ala	Gln	Ser
298		225		230					235				240	..
300	gtc	act	gct	gtc	gct	ggc	ctg	act	tcc	tat	cct	ttt	gac	acg	gtt	cgc
301	Val	Thr	Ala	Val	Ala	Gly	Leu	Thr	Ser	Tyr	Pro	Phe	Asp	Thr	Val	Arg
302			245				250					255				
304	cgt	cgt	atg	atg	cag	tct	gga	cgc	aaa	gga	act	gat	atc	atg	tac	
305	Arg	Arg	Met	Met	Met	Gln	Ser	Gly	Arg	Lys	Gly	Thr	Asp	Ile	Met	Tyr
306		260				265					270					
308	aca	ggc	acg	ctt	gac	tgc	tgg	cgg	aag	atc	gcg	cgc	gat	gaa	ggg	agc
309	Thr	Gly	Thr	Leu	Asp	Cys	Trp	Arg	Lys	Ile	Ala	Arg	Asp	Glu	Gly	Ser
310		275				280					285					
312	aag	gct	ttt	ttc	aag	ggc	gca	tgg	tcc	aac	gtt	ctc	aga	ggc	atg	ggt
313	Lys	Ala	Phe	Phe	Lys	Gly	Ala	Trp	Ser	Asn	Val	Leu	Arg	Gly	Met	Gly
314		290				295					300					
316	ggc	gcc	ttt	gtg	ctt	gtc	ttg	tat	gat	gag	atc	aag	aaa	tac	aca	taa
317	Gly	Ala	Phe	Val	Leu	Val	Leu	Tyr	Asp	Glu	Ile	Lys	Lys	Tyr	Thr	
318	305				310						315					
321	<210>	SEQ	ID	NO:	8											
322	<211>	LENGTH:	319													
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324	<213>	ORGANISM:	Artificial sequence													
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332	1				5				10			15				
334	Gly	Gly	Gly	Gly	Ser	Met	Thr	Asp	Ala	Ala	Val	Ser	Phe	Ala	Lys	Asp
335						20			25			30				
337	Phe	Leu	Ala	Gly	Gly	Val	Ala	Ala	Ala	Ile	Ser	Lys	Thr	Ala	Val	Ala
338						35			40			45				
340	Pro	Ile	Glu	Arg	Val	Lys	Leu	Leu	Gln	Val	Gln	His	Ala	Ser	Lys	

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/563,451

DATE: 08/08/2006

TIME: 13:28:15

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\08082006\J563451.raw

L:19 M:270 C: Current Application Number differs, Replaced Current Application Number

L:20 M:271 C: Current Filing Date differs, Replaced Current Filing Date

Raw Sequence Listing before editing (for reference only)



IFWP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/563,451

DATE: 08/02/2006
TIME: 08:54:23

Input Set : A:\PTO.RJ.txt
Output Set: N:\CRF4\08022006\J563451.raw

4 <110> APPLICANT: Institut National de la Sante et de la Recherche Medicale -
5 INSERM
6 ICHAS Francois
7 DE GIORGI ICHAS Francesca
8 PIAZZA Pier-Vincenzo
9 DESSOLIN Jean
10 SCHEMBRI Laura
11 TOMASELLO Flora
12 LARTIGUE Lydia
14 <120> TITLE OF INVENTION: Method for demonstration of a molecular event in a cell by
means of
15 fluorescent marker proteins
17 <130> FILE REFERENCE: D20600
C--> 19 <140> CURRENT APPLICATION NUMBER: US/10/563,451
C--> 20 <141> CURRENT FILING DATE: 2006-01-04
22 <150> PRIOR APPLICATION NUMBER: FR 03/08 186
23 <151> PRIOR FILING DATE: 2003-07-04
25 <160> NUMBER OF SEQ ID NOS: 14
27 <170> SOFTWARE: PatentIn version 3.2

*Does Not Comply
Corrected Diskette Needed
(pg -1,2)*

Does Not Comply
Corrected Diskette Needed
(pg-1,2)

ERRORED SEQUENCES

569 <210> SEQ ID NO: 13
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 572 <213> ORGANISM: Artificial sequence
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 575 <223> OTHER INFORMATION: Caspase 8 probe IETD-cb5RR
 577 <220> FEATURE:
 578 <221> NAME/KEY: CDS
 579 <222> LOCATION: (1)..(174)
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 583 Glu Gly Gly Gly Ser Ile Glu Thr Asp Ser Gly Gly Gly Ser
 584 1 5 10 15
 586 gga ggt ggc gga tcc ttc gag ccg tcc gaa act ctg atc act acc gtt 96
 587 Gly Gly Gly Ser Phe Glu Pro Ser Glu Thr Leu Ile Thr Thr Val
 588 20 25 30
 590 gaa tcg aac tcg agt tgg tgg act aac tgg gtt atc cct gcg atc tct 144
 591 Glu Ser Asn Ser Ser Trp Trp Thr Asn Trp Val Ile Pro Ala Ile Ser
 592 35 40 45
 594 gct ctg gtt gta gcg ctg atg tac cggt cgt taa 177
 595 Ala Leu Val Val Ala Leu Met Tyr Arg Arg

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/563,451

DATE: 08/02/2006
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Input Set : A:\PTO.RJ.txt
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599 <210> SEQ ID NO: 14
600 <211> LENGTH: 58
601 <212> TYPE: PRT
602 <213> ORGANISM: Artificial sequence
604 <220> FEATURE:
605 <223> OTHER INFORMATION: Caspase 8 probe IETD-cb5RR
607 <400> SEQUENCE: 14
609 Glu Gly Gly Gly Ser Ile Glu Thr Asp Ser Gly Gly Gly Ser
610 1 5 10 15
612 Gly Gly Gly Ser Phe Glu Pro Ser Glu Thr Leu Ile Thr Thr Val
613 20 25 30
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616 35 40 45
618 Ala Leu Val Val Ala Leu Met Tyr Arg Arg
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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/563,451

DATE: 08/02/2006

TIME: 08:54:24

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Output Set: N:\CRF4\08022006\J563451.raw

L:19 M:270 C: Current Application Number differs, Replaced Current Application Number

L:20 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:581 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:13 differs:3

L:623 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:14